LUCY L. W. OWEN

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EDUCATION

Dartmouth College *2016 - present*
Ph.D. student: Psychological and Brain Sciences

Columbia University, Teachers College *2013 - 2014*
Master of Science: Neuroscience and Education
Thesis: The Role of Dopamine in Memory
Psi Chi, Psychology Honors Organization

Davidson College *2006 - 2010*
Bachelor of Arts
Major in Studio Art, Minor in Chemistry, Pre-Medicine Concentration

TECHNICAL STRENGTHS

Computer Languages	Python, JavaScript, MATLAB
Software & Tools	Numpy, PANDAS Scikit-learn, Bash, Git, Docker
Neuropsychological Assessment	MOCA, NART,Trails A & B, Category Fluency, Digit Span

EXPERIENCE

Ph.D. student, Dartmouth College 2016 - present
PI: Dr. Jeremy Manning

Lab manager, Columbia University 2014 - 2016
PI: Dr. Daphna Shohamy

Research assistant, Columbia University Teachers College 2013 - 2015
PI: Dr. Peter Gordon

PUBLICATIONS

Owen, LLW, Heusser AC, Manning, JR (2018, October) A Gaussian process model of human electrocorticographic data. *bioRxiv*: 121020.

Owen, LLW, Manning, JR (2017, May) Towards human Super EEG. *bioRxiv*: 121020.

Heusser AC, Ziman K, **Owen, LLW**, Manning JR (2018) HyperTools: A Python toolbox for gaining geometric insights into high-dimensional data. *Journal of Machine Learning Research*, 18(152): 1 - 6.

TALKS

Owen LLW, Heusser AC, Sperling M, Lega B, Worrell G, Gross R, Jobst B, Davis K, Zaghloul KA, Sheth S, Stein J, Das S, Gorniak R, Manning JR (2018, November) Fast timescale network dynamics underlying episodic encoding and retrieval. *Society for Neuroscience annual meeting*, San Diego, CA.

Owen LLW (2018, October) Fast timescale network dynamics underlying episodic encoding and retrieval using SuperEEG. *Dartmouth Hitchcock Medical Center*, Lebanon, NH.

Owen LLW (2018, October) Timecorr: Dynamic correlations and higher order correlations. *Contextual Dynamics Lab meeting*, Hanover, NH.

Owen LLW, Goldstien A (2018, August) Ausio correlations with predicted ECoG activity. *Methods in Neuroscience at Dartmouth*, Hanover, NH.

Owen LLW (2018, August) Introduction to Docker. *Methods in Neuroscience at Dartmouth*, Hanover, NH. Link to video.

Owen LLW (2018, July) Data Blitz. *EPSCoR Womens' Conference*, Providence, RI.

Owen LLW (2018, May) Pycharm: Debugging, and Docker Integration. *Contextual Dynamics Lab meeting*, Hanover, NH.

Owen LLW (2018, April) Specialist departmental presentation. *Department of Psychological and Brain Sciences, Dartmouth College*, Hanover, NH.

Owen LLW (2018, April) Lecture: Memory. *Psychology I, Dartmouth College*, Hanover, NH.

Owen LLW (2018, March) Lecture: Learning. *Psychology I, Dartmouth College*, Hanover, NH.

Owen LLW (2018, March) Testing and Continuous Integration in Python. *Contextual Dynamics Lab meeting*, Hanover, NH.

Owen LLW (2017, October) Lecture: Memory. *Psychology I, Dartmouth College*, Hanover, NH.

Owen LLW (2017, September) Lecture: Learning. *Psychology I, Dartmouth College*, Hanover, NH.

Owen LLW (2018, September) SuperEEG updates. *Contextual Dynamics Lab meeting*, Hanover, NH.

Owen LLW (2017, June) Towards human SuperEEG. *Dartmouth Hitchcock Medical Center*, Lebanon, NH.

POSTER PRESENTATIONS

Owen LLW Manning JR (2017, November). A Gaussian process model of human ECoG data. *Society for Neuroscience annual meeting*, Washington, DC.

Heusser AC, Ziman K, **Owen LLW**, Manning JR (2017, November). HyperTools: A python toolbox for gaining geometric insights into high-dimensional data. *Society for Neuroscience annual meeting*, Washington, DC.

Owen LLW, Manning JR (2017, May) Towards human Super EEG. *Context and Episodic Memory Symposium*, Philadelphia, PA.

Heusser AC, Ziman K, **Owen LLW**, Manning JR (2017, May) HyperTools: A Python toolbox for visualizing and manipulating high-dimensional data. *Context and Episodic Memory Symposium*, Philadelphia, PA.

Owen LLW, Manning JR (2017, April) Towards human Super EEG. *Graduate student poster session*, Dartmouth College, Hanover, NH.

Owen LLW, Sharp ME, Shohamy D (2016, April) Acquisition and consolidation of motor sequence learning in Parkinsons disease. *Cognitive Neuroscience Society Meeting*, New York, NY.

Gordon P, Kim S, Paz ML, Reddick E, **Owen LLW** (2014, April) The neural basis of parallel individuation and numerical estimation. *Cognitive Neuroscience Society Meeting*, Boston, MA.

Kim S, **Owen LLW**, Levinson H, Paz ML, Gordon P (2014, April) Functional links of neural correlates of word meaning: Behavioral and Neurophysiological Evidence. *Cognitive Neuroscience Society Meeting*, Boston, MA.

SERVICE

Graduate representative, cognitive area   2018 - 2020
Liaison between graduate students and faculty as well as host for prospective graduate students.

EPSCoR Womens conference Summer, 2018
Attendee.

TEACHING EXPERIENCE

Teaching Assistant Spring, 2018
Dartmouth College, Psychology I
Course taught by Drs. Thalia Wheatly and Brad Duchaine

Teaching Assistant Fall, 2017
Dartmouth College, Psychology I
Course taught by Drs. Thalia Wheatly and Brad Duchaine

Teaching Assistant Summer, 2017
Dartmouth College, Experimental Psychology
Course taught by Dr. Jeremy Manning

Teaching Assistant Spring, 2014
Columbia University, Teachers College, Brain and Behavior II
Course taught by Dr. Peter Gordon